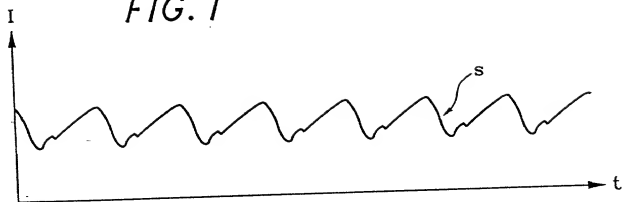


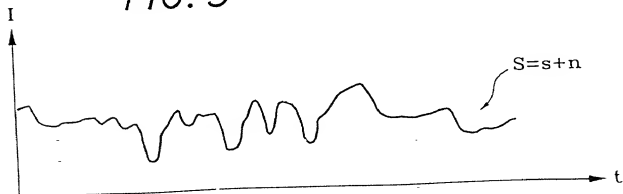
FIG. 1



BONE
MUSCLE
TISSUE
ARTERIAL BLOOD
VENOUS BLOOD

FIG. 2

FIG. 3



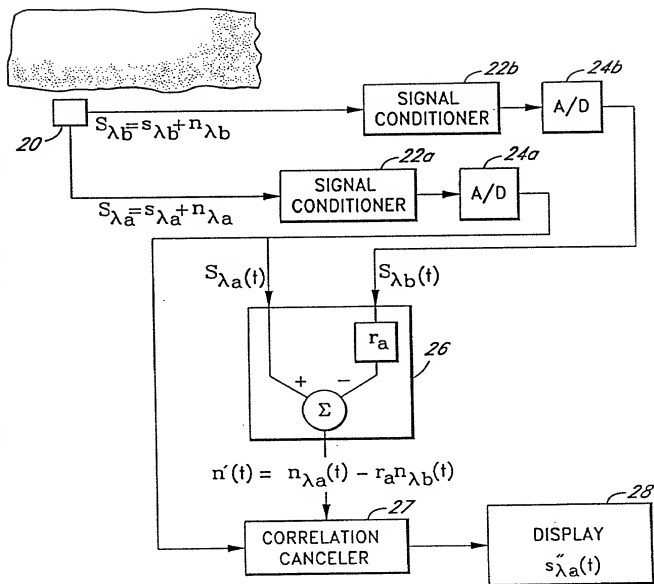


FIG. 4a

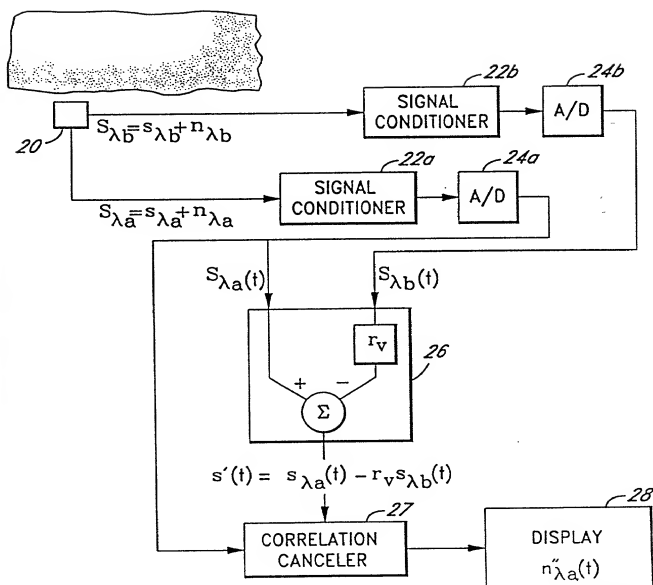
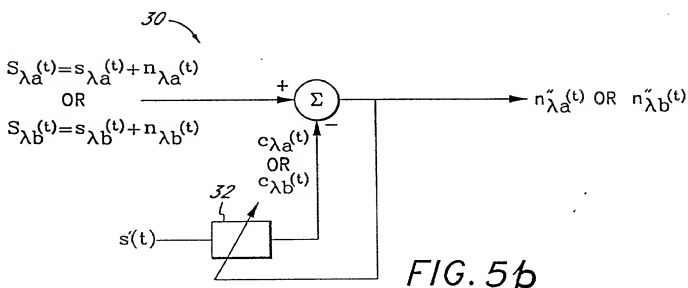
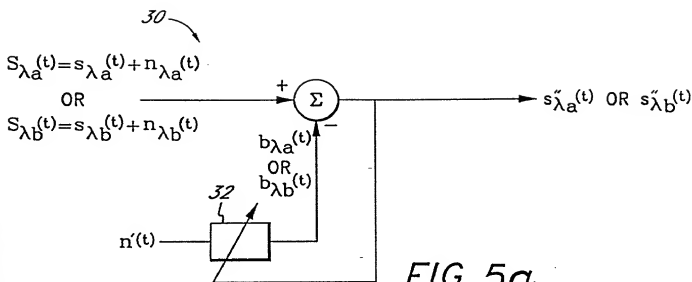


FIG. 4b



00441007:000100

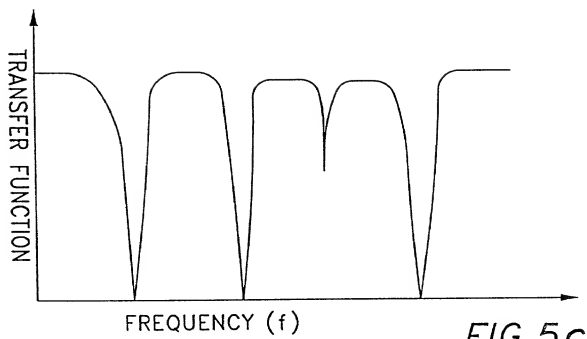


FIG.5c

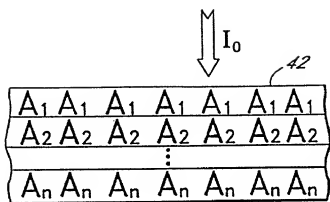


FIG. 6a

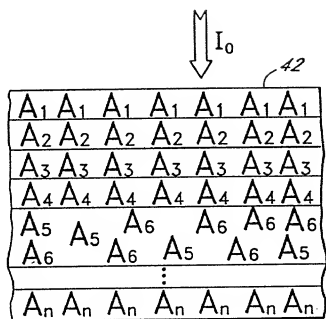


FIG. 6b

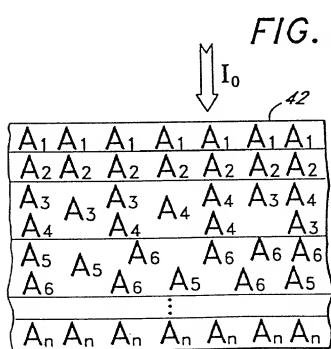


FIG. 6c

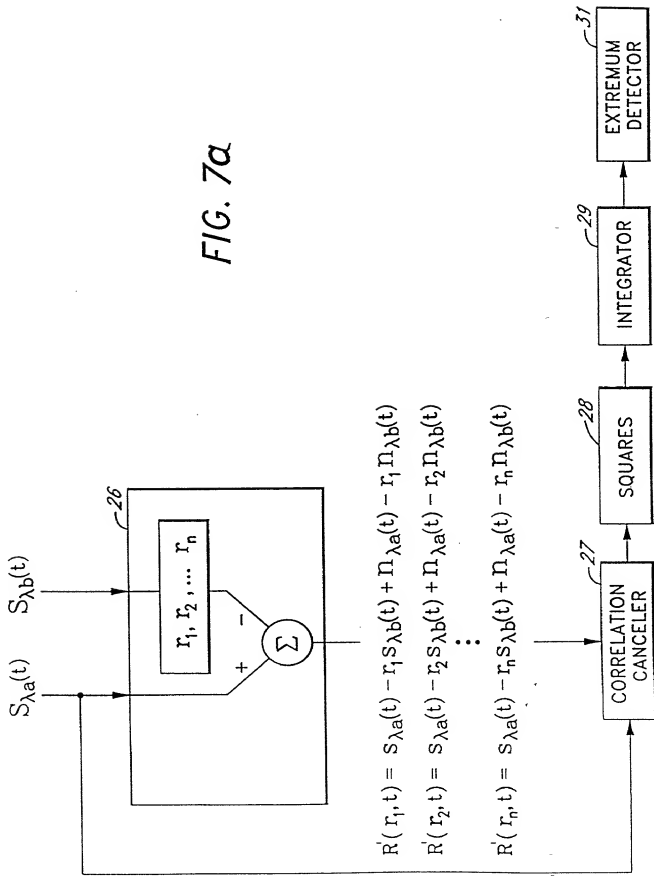


FIG. 7a

$$R'(r_1, t) = S_{\lambda a}(t) - r_1 S_{\lambda b}(t) + n_{\lambda a}(t) - r_1 n_{\lambda b}(t)$$

$$R'(r_2, t) = S_{\lambda a}(t) - r_2 S_{\lambda b}(t) + n_{\lambda a}(t) - r_2 n_{\lambda b}(t)$$

...

$$R'(r_n, t) = S_{\lambda a}(t) - r_n S_{\lambda b}(t) + n_{\lambda a}(t) - r_n n_{\lambda b}(t)$$

FIG. 7b

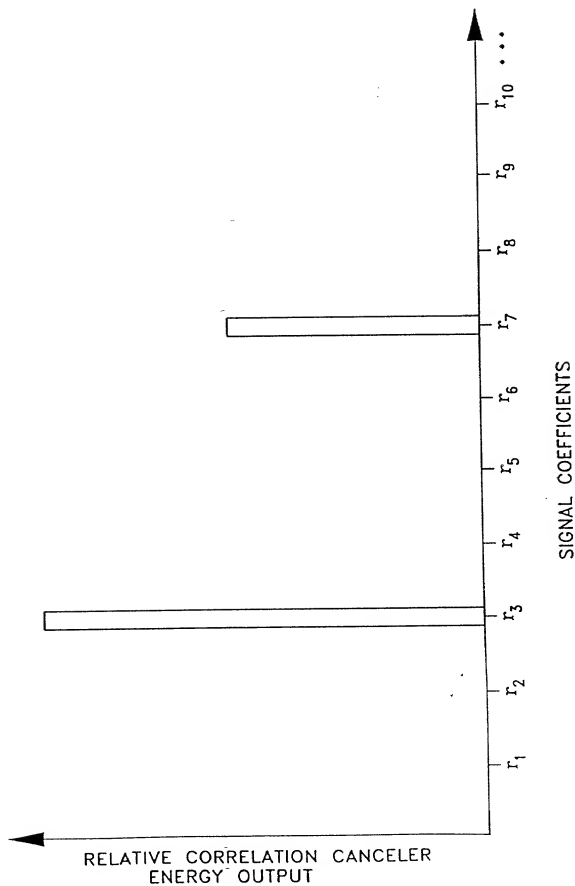


FIG. 7c

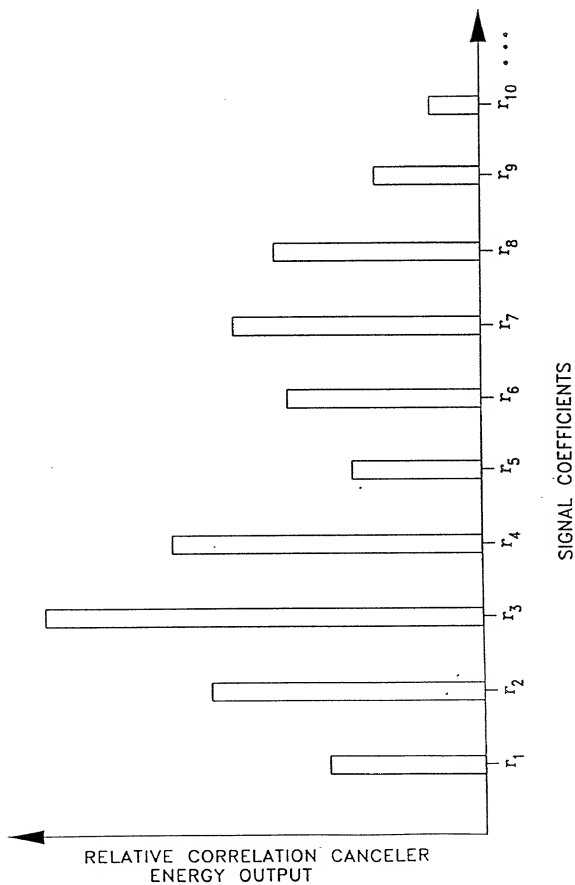
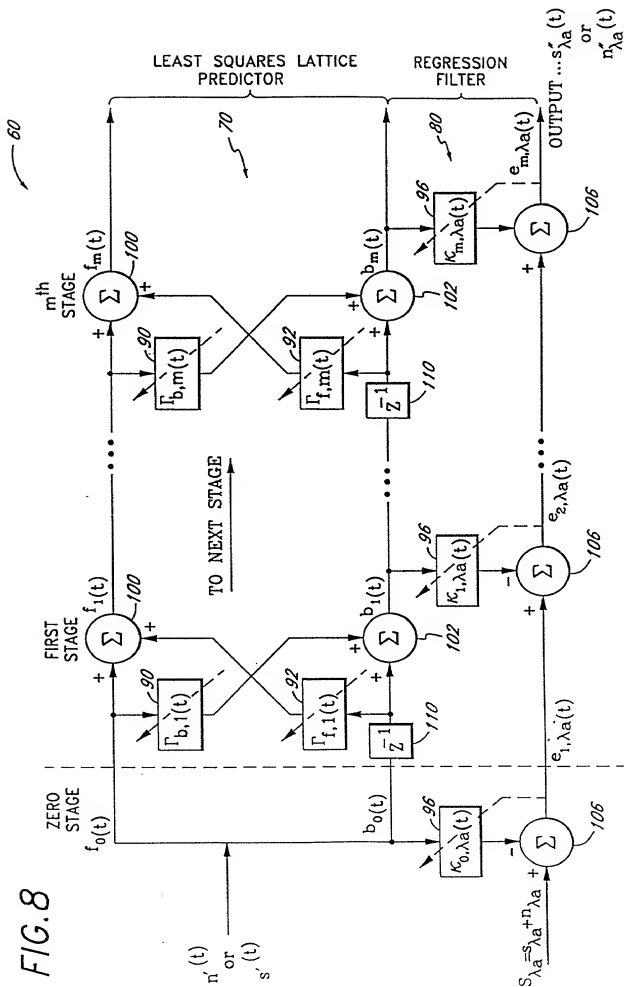


FIG. 8



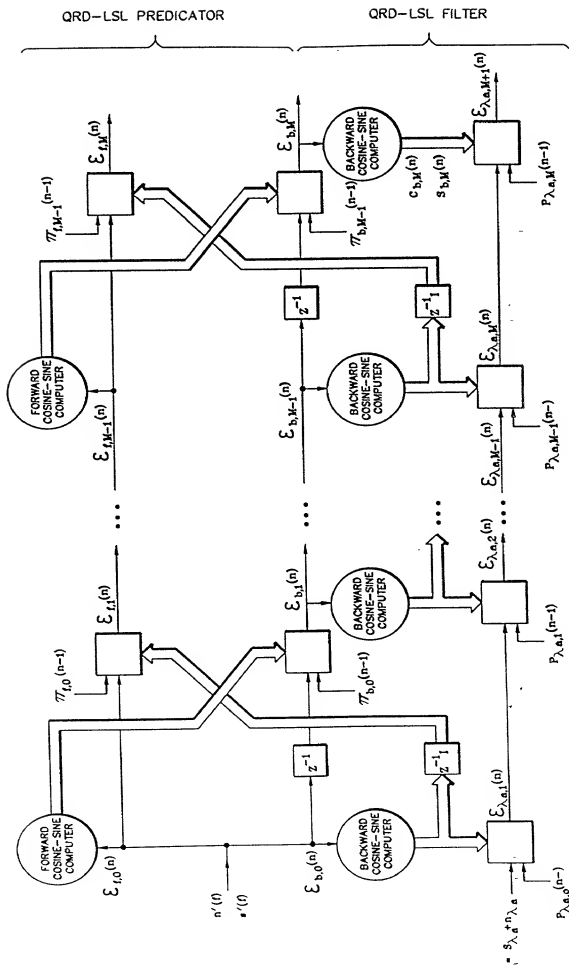


FIG. 8a

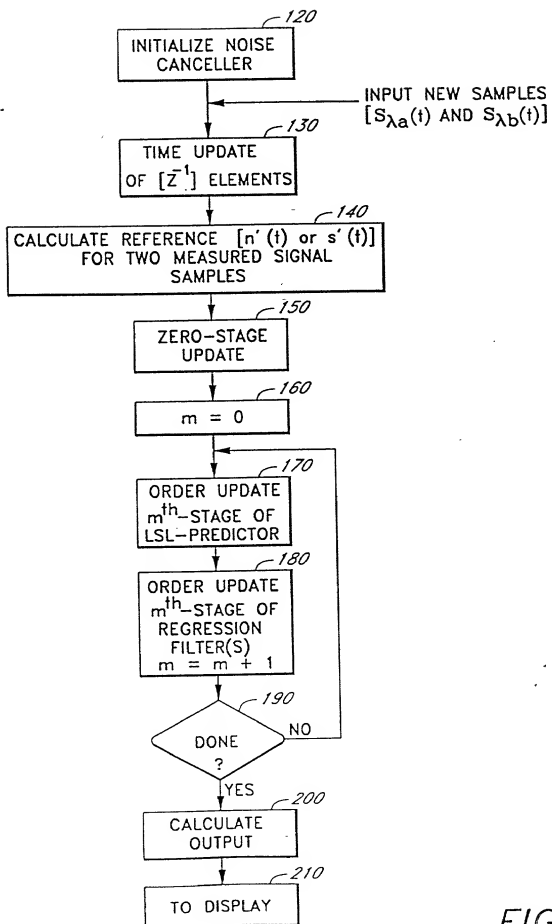


FIG. 9

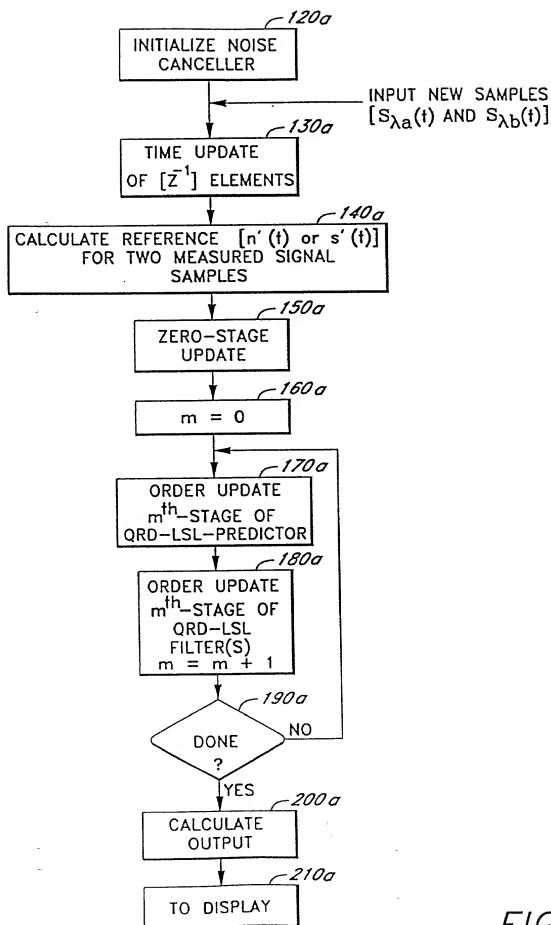
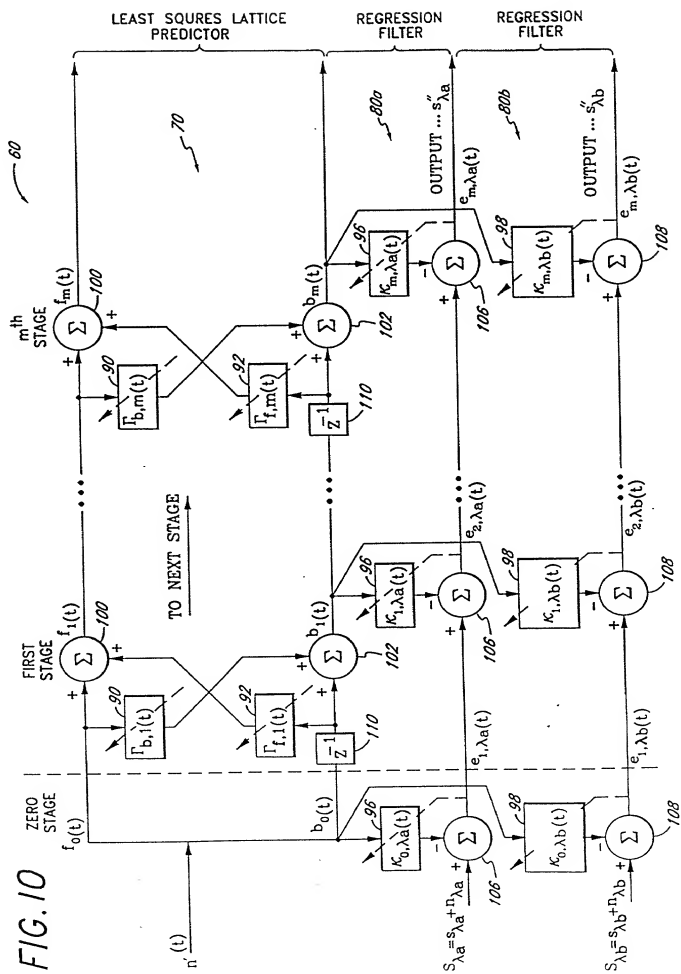
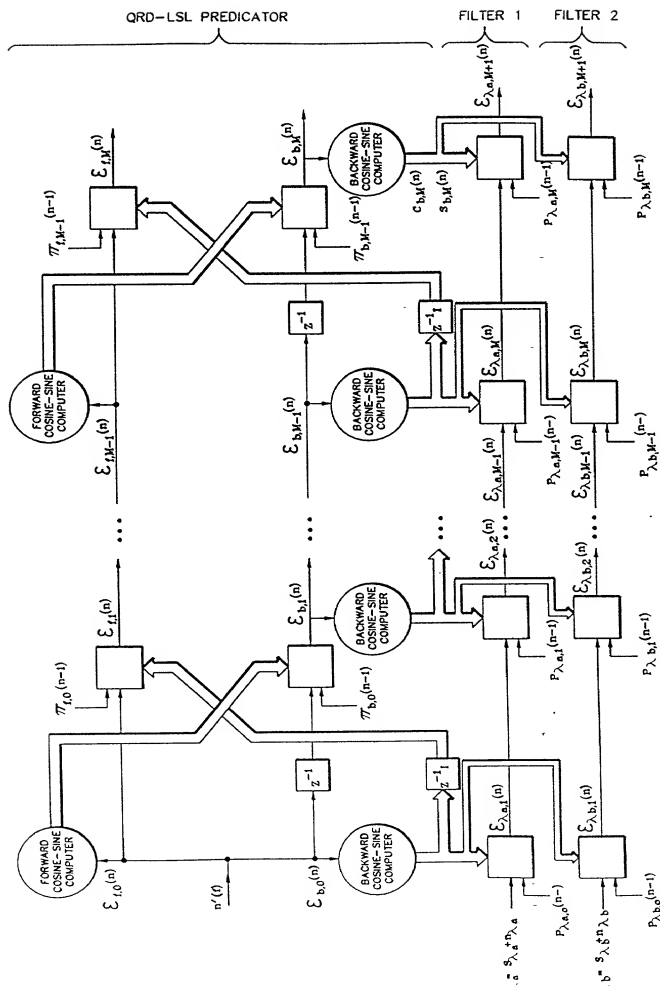


FIG.9a





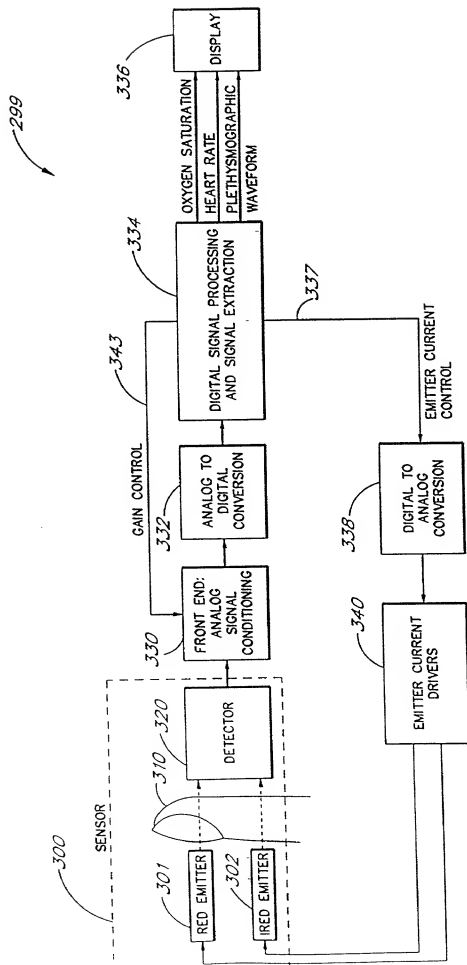


FIG. 11

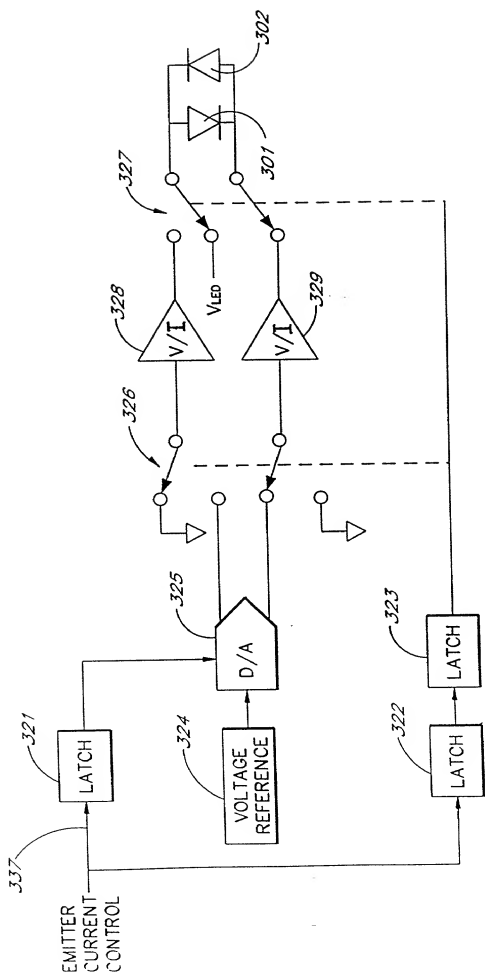


FIG. 11A

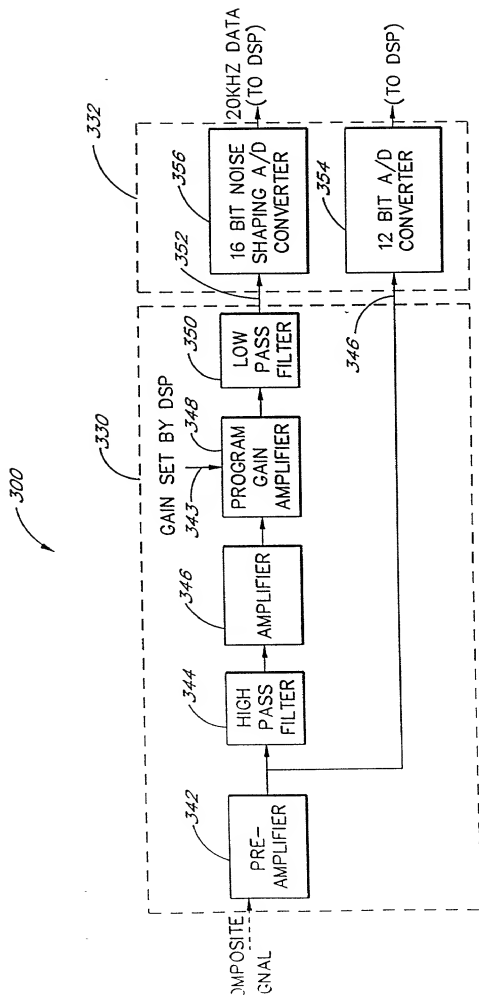


FIG. 12

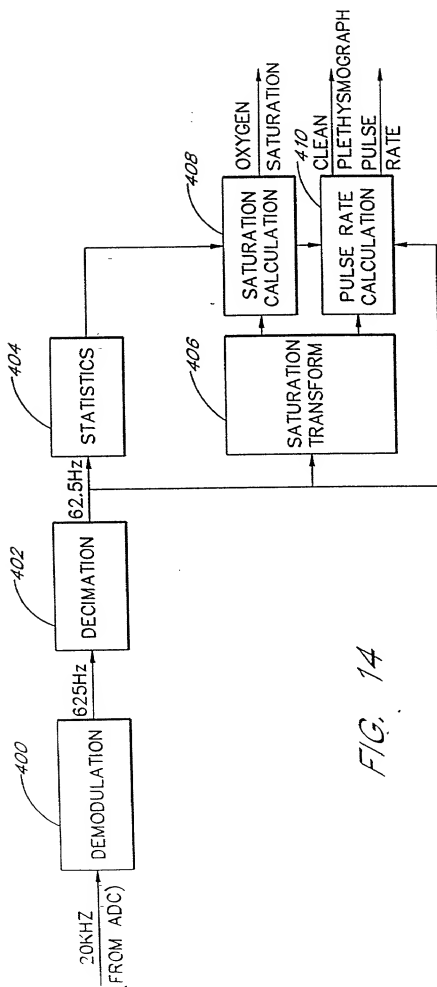


FIG. 14

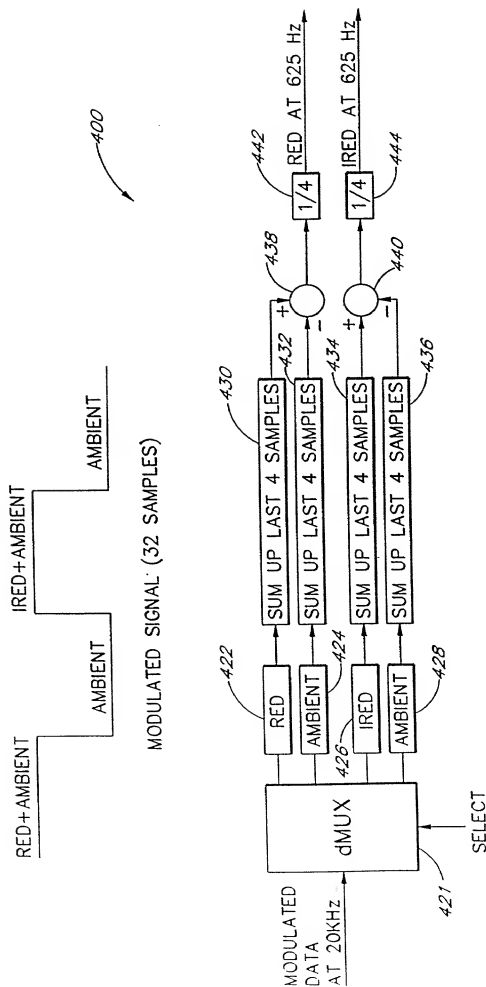


FIG. 15

402

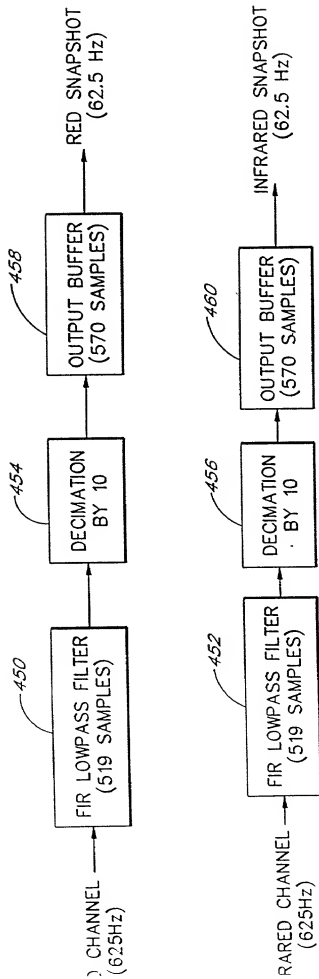


FIG. 16

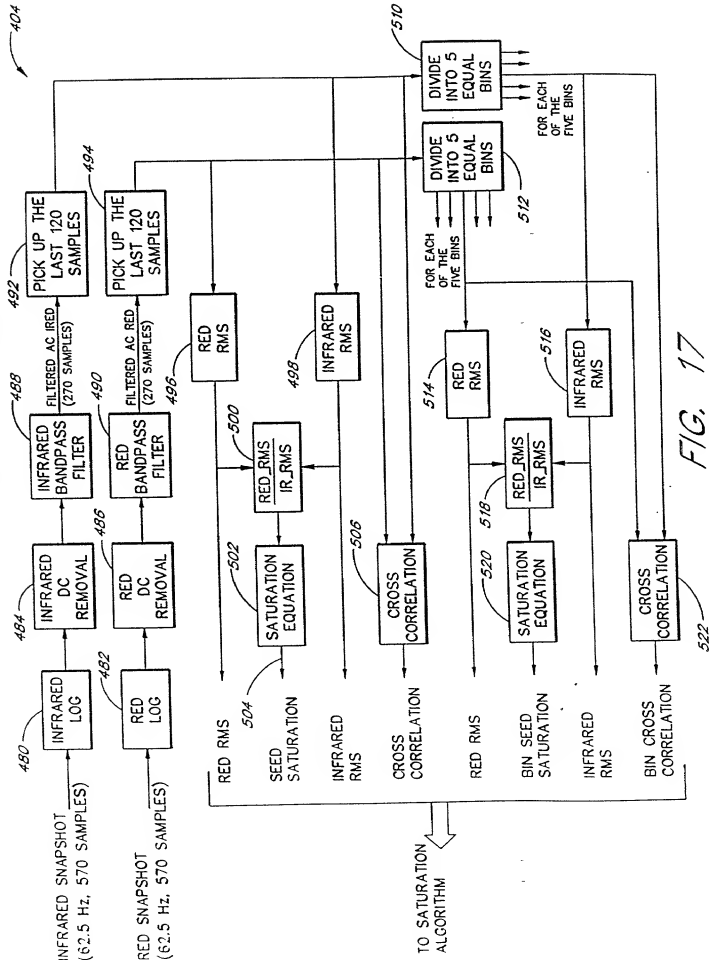


FIG. 17

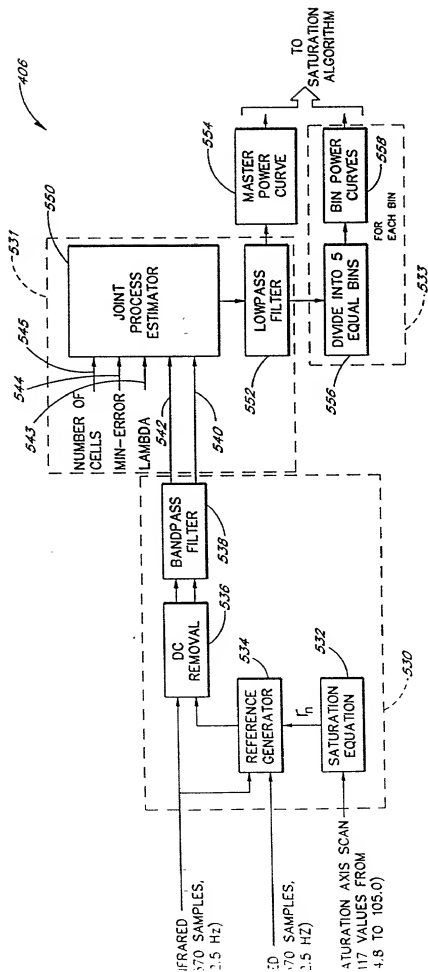
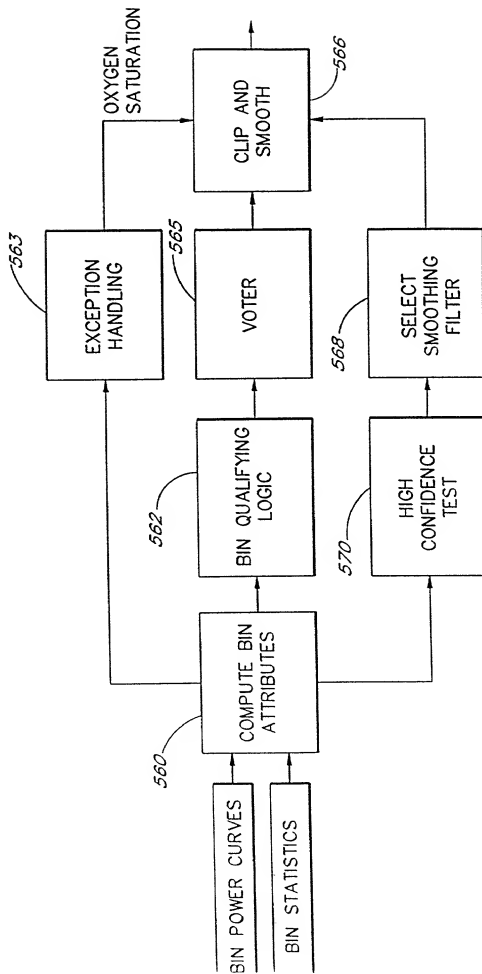
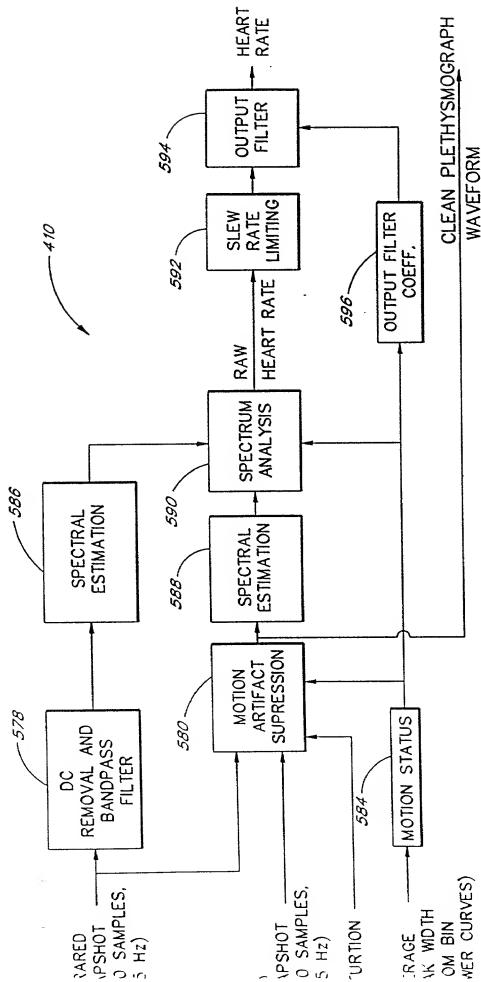


FIG. 18





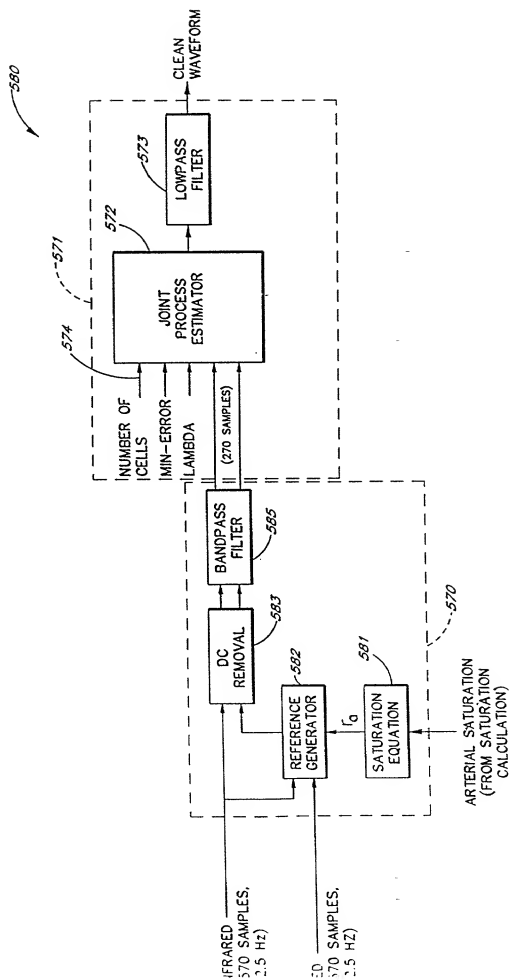


FIG. 21

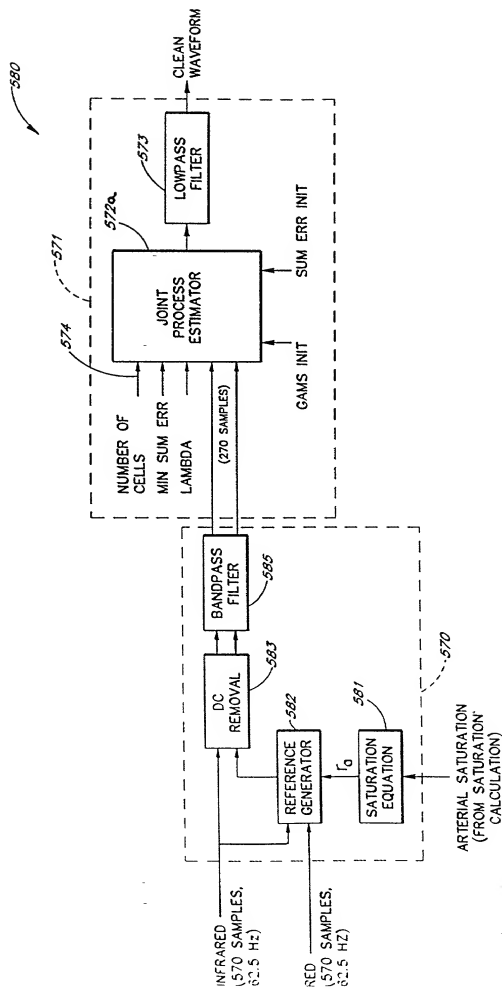
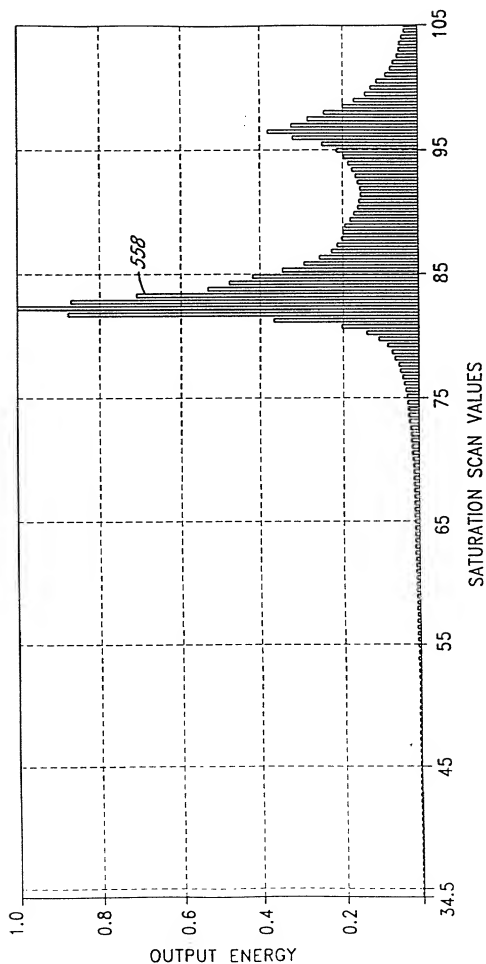


FIG. 21a

FIG. 22



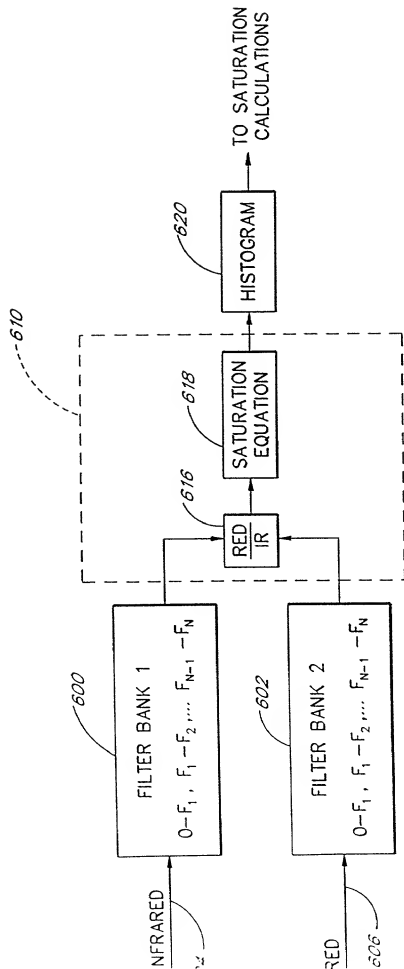
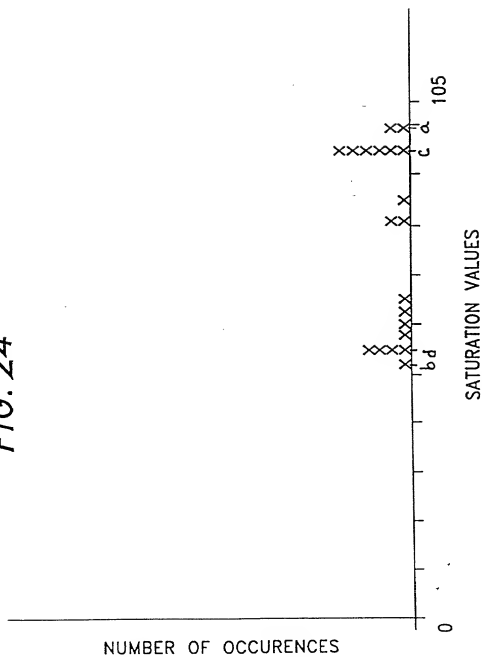


FIG. 23

FIG. 24



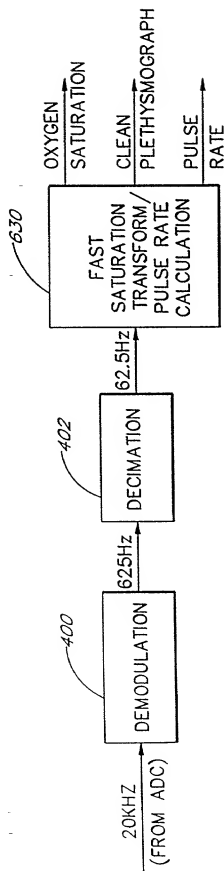


FIG. 25A

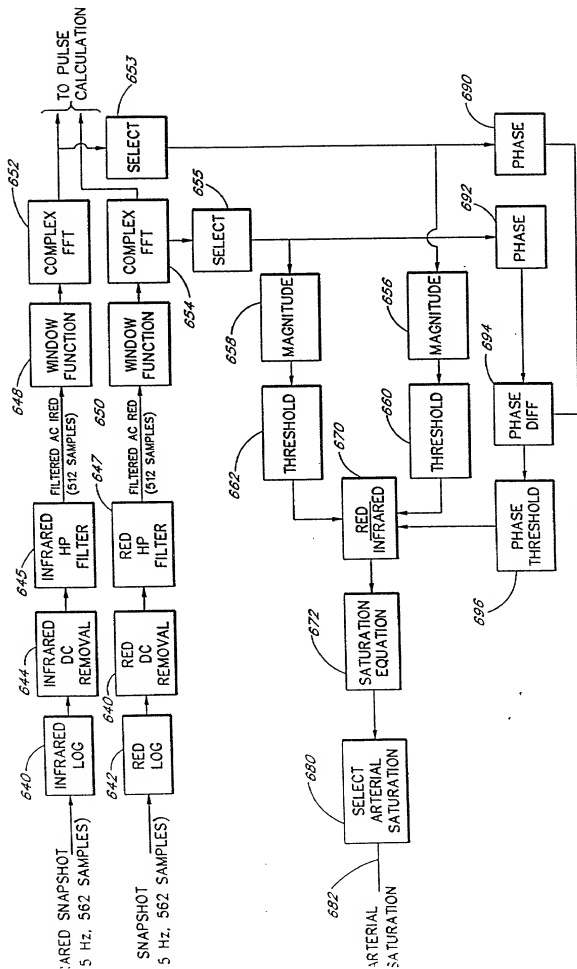


FIG. 25B

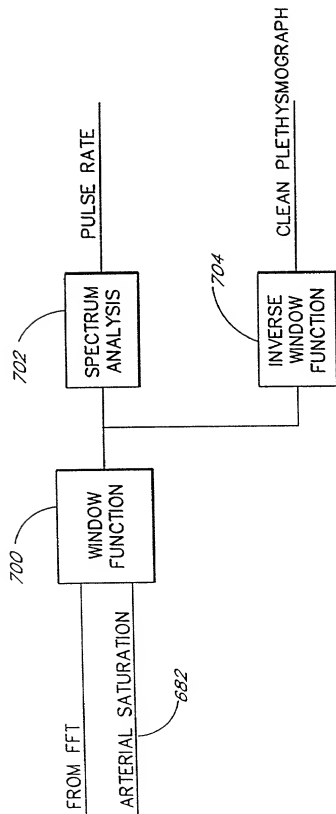


FIG. 25C

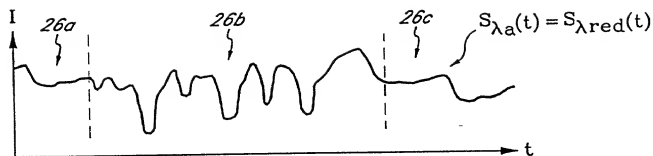


FIG. 26

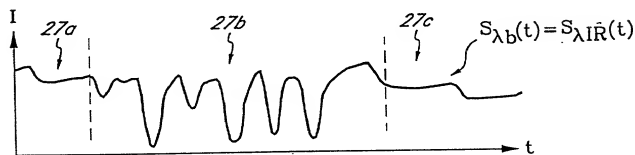


FIG. 27

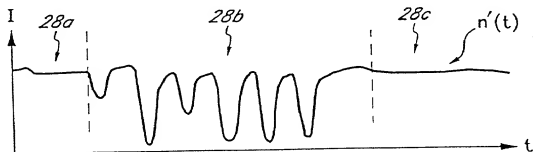


FIG. 28

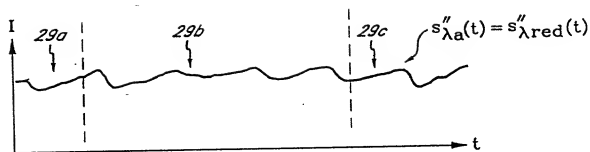


FIG. 29

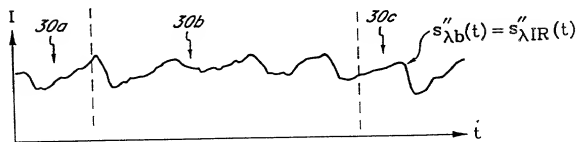


FIG. 30

FIG. 31

